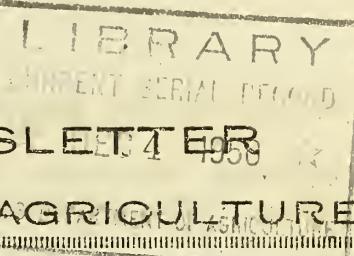
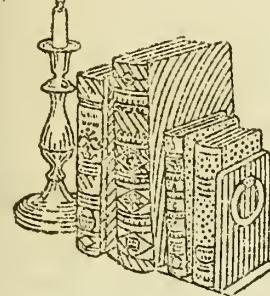


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"Reading is to the mind what exercise is to the body." --Addison.

BOOKS RECENTLY RECEIVED

ANNUAL REVIEW OF PLANT PHYSIOLOGY, edited by D. I. Arnon and L. Machlis. Annual Reviews, Inc., 1950. 364p.

This is the first issue of a new publication. Within certain limits set forth in the preface to the volume, "the mission of the Annual Review of Plant Physiology is to provide annually a critical evaluation of all branches of plant physiology." The titles of some of the papers in this volume are: Mineral Nutrition, Influence of Light on Plant Growth, Growth Regulating Substances in Horticulture, Herbicides, Respiration of Higher Plants, Water Relations of Plant Cells and Tissues, Soil Moisture in Relation to Plant Growth, Soil Chemistry in Relation to Inorganic Nutrition of Plants. At the end of each paper is a list of the literature cited ranging in length from fifty to over three hundred items. Unfortunately, titles of the publications are not given.

A BETTER LIVING FROM YOUR SOIL, edited by Jim Roe and William Raufer. 1949. 106p. 56.7 SulB

A Successful Farming publication. The illustrated articles are grouped under four headings: Tilth, Erosion, Fertility, and High Yields.

FINANCING THE FARM BUSINESS, by I.W. Duggan and R. U. Battles. Wiley, 1950. 354p. 284.2 D872

This book is designed to cover most of the important financial problems which confront young farmers. In Part I, Principles of Farm Financing, the authors have covered the problems of inheritance and farm leasing as well as the principles of sound credit. In Part II, Sources of Agricultural Credit, they have attempted to describe objectively the significant features of the most important institutions that lend money to farmers and to their cooperative organizations.

IRRIGATION PRINCIPLES AND PRACTICES, by O. W. Israelson. Second edition. Wiley, 1950. 405p. 55 Is7 Ed.2

This new edition has only eighteen chapters in comparison with twenty-four chapters in the first edition, though the new edition is shorter by only fifteen pages. The chapters have been entirely re-written with a partial re-distribution of subject matter. Actually the new book covers the same subjects included in the old edition plus a chapter on the drainage of irrigated lands. Some new tables and figures are found in the new text. The references have been revised and brought up-to-date. They are arranged by chapter in an appendix instead of

at the end of each chapter as in the first edition.

SECRETARIAL EFFICIENCY, by F. A. Faunce and F. G. Nichols. Gregg Pub. Co., 1948. Second edition. 502p. 249.2 F27 Ed.2

This is the revision of a book which has been very popular with our secretaries. The authors say in the preface that "this book will serve those who wish to read authoritative material for self-improvement, as time allows. It will serve equally well those who desire to make an intensive study of the secretarial profession. And as a book of reference for secretaries and others it will be found valuable." The twenty-four chapters are divided into seven parts entitled Efficiency and Personality, The Industrious Secretary, Handling Communications, Filing and Finding Material, The Importance of Time, The Value of Words and Figures, and The Secretary Meets the Test.

WILDLIFE FOR AMERICA: THE STORY OF WILDLIFE CONSERVATION, by E. H. Graham and W. R. Van Dersal. Oxford University Press, 1949. 110p. 412.9 G76

A beautifully illustrated little book written especially for children, but with appeal for grown-ups, also. Of value for educational work.

SELECTED BULLETINS

Agricultural Engineering

"Artificial Drying of Forage Crops," by E.D. Gordon and W. M. Hurst. USDA Cir. 443. Revised 1950. 28p. 1 Ag84C 443

"Contour Fencing," by H. M. Gitlin and W.H. Pomorene. Ohio Agr. Expt. Sta. Res. Cir. 5. 1950. 11p. 100 Oh3Rc

"Farm Sewage Disposal," by C. V. Phagan. Okla. Ext. Ser. Cir. 339. 15p. 275.29 Ok41C 339

Agronomy

"Bur-Clover and Related Species at the Brazos River Valley Laboratory," by C. Harvey and others. Tex. Agr. Expt. Sta. Progress Rpt. 1278. 2p. 100 T31P

"Cotton Growing in Southeastern Oklahoma: A Comparison of Present Methods and Recommended Practices." Okla. Agr. Expt. Sta. Bul. B-358. 1950. 32p. 100 Ok4B

"Crop Variety Tests at the Blackland Experiment Station, 1950," by E. N. Stiver and others. Tex. Agr. Expt. Sta. Progress Rpt. 1281. 6p. 100 T31P 1281

"The Effect of Legumes, Nitrogen Fertilizer and Row Systems on the Yield of Corn on Miller Clay Soil," by H. E. Rea and others. Tex. Agr. Expt. Sta. Progress Rpt. 1285. 1950. 3p. 100 T31P

"Kudzu Culture and Uses in Georgia," by E. D. Alexander and others. Ga. Agr. Ext. Ser. Cir. 331. Revised 1950. 275.29 G29C 331

"Nitrogen Balance in Lysimeters as Affected by Growing Kentucky Bluegrass and Certain Legumes Separately and Together," by P. E. Karraker. Ky. Agr. Expt. Sta. Bul. 557. 1950. 16p. 100 K41B 557

"Rice Culture in California," by J. W. Jones and others. USDA Farmers' Bul. 2022. 1950. 32p. 1 Ag84F 2022

"Soybean Production for Hay and Beans," by W. J. Morse and others. USDA Farmers' Bul. 2024. 1950. 15p. 1 Ag84F 2024

"Winter Cover Crops for Nitrogen, Organic Matter, and Soil and Plant Food Conservation," by E. D. Alexander and others. Ga. Agr. Ext. Ser. Cir. 300. Revised 1950. 275.29 G29C 300

Feeds and Feeding

"Bone Meal and Limestone Supplements in Calf Fattening Rations," by J. M. Jones and others. Tex. Agr. Expt. Sta. Progress Rpt. 1283. 1950. 5p. 100 T31P

"Dehydrated Sweet Potato Meal for Fattening Steers," by C. B. Singletary. La. Agr. Expt. Sta. Bul. No. 446. 1950. 7p. 100 L93 446

"Feeding Trials With Mineral and Protein Supplements for Two-and Three-Year-Old Steers Wintering on Dry Grass," by O. B. Ross and others. Okla. Agr. Expt. Sta. Bul. B-359. 1950. 18p. 100 Ok4B 359

"Ground Cotton Stalks, Ground Gin Trash and Cottonseed Hulls in Rations for Growing Yearling Steers," by A. A. Melton. Tex. Agr. Expt. Sta. Progress Rpt. 1277. 1950. 3p. 100 T31P 1277

"Sorghum Gluten Meal and Feed in Rations for Fattening Steers," by E. M. Neal. Tex. Agr. Expt. Sta. Progress Rpt. 1274. 1950. 4p. 100 T31P 1274

Fence Posts

"Treating Fence Posts With Pentachlorophenol-Fuel Oil Solutions Using the Cold-Soaking Method," by D. A. Kulp. Miss. Agr. Expt. Sta. Cir. 141. 1948. 11p. 100 M69C 141

"What Do Fence Posts Cost on An Annual Basis?" Lake States Forest Expt. Sta. Technical Notes No. 341. 1950. 2p. 1.9 F7625T

Forestry

"Acid Treatment of Turpentine Timber," by C. D. Dyer. Ga. Agr. Ext. Ser. Bul. 564. 1950. 12p. 275.29 G29B 564

"Comparative Survival and Growth of Trees Planted Under Three Types of Over-head Cover on Strip-Mined Land in Southern Illinois." Central States Forest Expt. Sta. Station Notes No. 63. 1950. 2p. 1.9 G76252S

"Forestry Handbook for the Upper Mississippi Region." USDA Agr. Handbook No. 13. 1950. 101p. 1 Ag84Ah 13

"Form Class Volume Tables for Use in Southern Pine Pulpwood Timber Estimating," by C. O. Minor. La. Agr. Expt. Sta. Bul. 445. 1950. 39p. 100 L93

"Furnace-Type Lumber Dry Kiln." Forest Products Laboratory Mimeo. No. D1474. Revised 1950. 24p. 1.9 F761 D1474

"Growth in Two Oak Woodlots Following an Improvement Cut." Lake States Forest Expt. Sta. Technical Notes No. 342. 1950. 1p. 1.9 F7625T 342

"How Long Can Conifers Be Held in Spring by Cold Storage?" Lake States Technical Notes No. 343. 1950. 1p. 1.9 F7625T 343

"Marketing Farm Woodland Products in the Missouri Ozarks," by K. L. Quigley. Central States Forest Expt. Sta. Tech. Paper 116. 1950. 41p. 1.9622 C3T222

"Palm Trees in the United States," by M. L. Bomhard. USDA Agr. Inf. Bul. 22. 1950. 26p. 1. Ag84Ab 22

"The Place of Woodland in the Farm Organization in Coos County, New Hampshire," by J. M. Chandler. N. H. Agr. Expt. Sta. Bul. 337. 1942. 34p. 100 N45B

"Seedling Stands From Airplane Broadcasting of Pelleted and Unpelleted Seed in Southeastern Utah," by A. T. Bleak and T. A. Phillips. Intermountain Forest and Range Expt. Sta. Research Paper 22. 1950. 14p. 1.9622 I2R31 22

"Seedling Survival and Height Growth on Graded and Ungraded Strip-Mined Land in Southern Illinois." Central States Forest Expt. Sta. Station Notes 62. 1950. 2p. 1.9 F76252S 62

"Summary on Growth in Relation to Quality of Southern Yellow Pine." Forest Products Laboratory Mimeo. D.1751. 1950. 19p. 1.9 F761

Horticulture

"Ornamental Woody Vines for the Southern Great Plains," by E. W. Johnson. USDA Farmers' Bul. 2015. 1950. 22p. 1 Ag84F 2015

"Plant Beds for Early Plants," by W. C. Carter and E. Ragsdale. Ga. Agr. Ext. Ser. Bul. 560. 1950. 16p. 275.29 G29B 560

"Propagation of Trees and Shrubs," by G. E. Yerkes. USDA Farmers' Bul. 1567. Revised 1950. 54p. 1 Ag84F 1567

"Studies on the Development, Preparation, Properties and Applications of Wax Emulsions for Coating Nursery Stock and Other Plant Materials," by E. J. Miller and others. Mich. Agr. Expt. Sta. Tech. Bul. 218. 1950. 78p. 100 M58T 218

"Tennesseean Strawberry," by B. D. Drain and W. E. Roever. Tenn. Agr. Expt. Sta. Cir. 105. 1950. 4p. 100 T25C 105

Range and Pasture

"The Effects of 2,4-D on Bitterweed Seed Formation and Germination," by O. E. Sperry. Tex. Agr. Expt. Sta. Progress Rpt. 1279. 1950. 3p. 100 T31S

"Pastures in Oklahoma," by S. B. Durham. Okla. Agr. Ext. Ser. Cir. 482. 1950. 19p. 275.29 OK41C 482

"Preliminary Guide for Range Reseeding in Arizona and New Mexico," by H. G. Reynolds and others. Southwestern Forest and Range Expt. Sta. Res. Rpt. 7. 1949. Reprinted 1950. 14p. 1.9622 S3R31

"Yearlong Grazing in the Rice-Pasture System of Farming," by R. M. Weihsing and others. Tex. Agr. Expt. Sta. Progress Rpt. 1280. 4p. 100 T31P

Runoff

"Effects of Diverting Sediment-Laden Runoff from Arroyos to Range and Crop Lands," by D. S. Hubbell and J. L. Gardner. USDA Tech. Bul. 1012. 1950. 83p. 1 Ag84To 1012

"Rates and Amounts of Runoff for the Blacklands of Texas," by R. W. Baird and W. D. Potter. USDA Tech. Bul. 1022. 1950. 23p. 1 Ag84Te 1022

Soils

"The Estimation of Free Iron Oxides in Soils and Clays and Their Removal," by B. C. Dob. Reprint from Journal of Soil Science, Vol. I., No. 2. 1949.

"The Influence of Earthworms on Soil Aggregation," by R. J. Swaby. Reprint from Journal of Soil Science, Vol. I., No. 2.

"The Influence of Humus on Soil Aggregation," by R. J. Swaby. Reprint from Journal of Soil Science, Vol. I., No. 2..

"The Interpretation of X-Ray Diagrams of Soil Clays, II. Structures With Random

"Interstratification," by G. Brown and D. M. C. MacEwan. Reprint from Journal of Soil Science, Vol. 1, No. 2.

"The Morgan Soil Testing System," by H. A. Lunt and others. Conn. Agr. Expt. Sta. Bul. 541. 1950. 60p. 100 C16S 541

"The Relationship between Micro-organisms and Soil Aggregation," by R. J. Swaby. Reprint from The Journal of General Microbiology, Vol. 3, No. 2. 1949.

"Some Notes on the Recording and Interpretation of X-Ray Diagrams of Soil Clays," by D. M. C. MacEwan. Reprint from Journal of Soil Science, Vol. I.

"Some Observations on the Oxidation of Soil Organic Matter in the Presence of Alkali," by J. M. Bremner. Reprint from Journal of Soil Science, Vol. I, No. 2.

"Studies on Soil Organic Matter. Part I. The Chemical Nature of Soil Organic Matter," by J. M. Bremner. Reprint from Journal of Agricultural Science, Vol. 39, Pt. 2.

"Studies on Soil Organic Matter. Part II. The Extraction of Organic Matter From Soil by Neutral Reagents," by J. M. Bremner and H. Lees. Reprint from Journal of Agricultural Science, Vol. 39, Pt. 3.

"Studies on Soil Organic Matter. Part III. The Extraction of Organic Carbon and Nitrogen from Soil," by J. M. Bremner. Reprint from Journal of Agricultural Science, Vol. 39, Pt. 3.

"Use of the Van Slyke-Neil Manometric Apparatus for the Determination of Organic and Inorganic Carbon in Soils and of Organic Carbon in Soil Extracts," by J. M. Bremner. Reprint from The Analyst, Vol. 74, No. 882.

Miscellany

"Agricultural Statistics for Louisiana, 1909-1949," by J. P. Montgomery and S. L. Bryan. La. Agr. Expt. Sta. Bul. 444. 1950. 72p. 100 L93 444

"Agriculture, Sampling and Operational Research," by F. Yates.

"A Cow-and-Calf Plan for Florida," by F. W. Parvin. Fla. Agr. Ext. Ser. Cir. 95. 1950.

"The Control of Some Soil-Borne Diseases of Plants by Fungicides Applied to the Soil in Fertilizer," by W. L. Doran. Mass. Agr. Expt. Sta. Bul. 455. 1950. 28p. 100 M38H 455

"The Design of Rotation Experiments," by F. Yates. Reprint from Commonwealth Bureau of Soil Science Technical Communication No. 46, 1949.

"The Foraging Method of Individual Honey-Bees," by C. R. Ribbands. Reprint from The Journal of Animal Ecology, Vol. 18, No. 1. 1949.

"Livestock Breeding Research at the U. S. Range Livestock Experiment Station," by J. R. Quesenberry. USDA Agr. Inf. Bul. 18. 1950. 12p. 1 Ag84Ab 18

"The Occurrence of Barium in Soils and Plants," by W. O. Robinson and others. USDA Tech. Bul. 1013. 1950. 36p. 1 Ag84Te 1013

"Part-Time Farming," by E. H. Bell and O. J. Scoville. USDA Farmers' Bul. 1966. Revised 1950. 18p. 1 Ag84F 1966

"The Relative Yields of Different Crops in Terms of Food and Their Responses to Fertilizers," by F. Yates and D. A. Boyd. Reprint from Agricultural Progress, Vol. XXIV, Pt. I., 1949.

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PERIODICALS ADDED

Acco Press, A Monthly Magazine for the Cotton Farmer. m.

Iowa Farm Science. m.